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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	
Filing Date	
First Named Inventor	Aslanis, Jr.
Art Unit	
Examiner Name	
Attorney Docket Number	TI-27730A.1B

Sheet 1

of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4450558	05-22-1984	Hampton et al.	all
		US- 4644523	02-17-1987	Horwitz	all
		US- 5170413	12-08-1992	Hess et al.	all
		US- 5305349	04-19-1994	Dent	all
		US- 5345440	09-06-1994	Gledhill et al.	all
		US- 5440561	08-08-1995	Werronen	all
		US- 5444697	08-22-1995	Leung et al.	all
		US- 5590160	12-31-1996	Ostman	all
		US- 5666378	09-09-1997	Marchetto et al.	all
		US- 5673296	09-30-1997	Ohgane	all
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 95/05042	02-16-1995	Univ. Brit.Col.	all	
		EP 0529421 A2	03-03-1993	Daimler-Benz	all	
		WO 93/09617	05-13-1993	Motorola	all	
		WO 95/03656	02-02-1995	Telia AB	all	

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	Attorney Docket Number	TI-27730A.1B

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CIMINI, "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing", Trans. Comm. Vol. COM-33, No. 7 (1985).	
		BINGHAM, "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", Communications Magazine (IEEE, May 1990), pp. 5-14.	
		CHOW et al., "DMT Initialization: Parameters Needed for Specification in a Standard", Submission T1E1.4/93-022 (Mar. 1993).	
		CHOW et al., "A Discrete Multitone Transceiver System for HDSL Applications", J. Sel. Areas Comm., Vol. 9, No. 6 (IEEE, 1991), pp. 895-908.	
		CHOW et al., "Equalizer Training Algorithms for Multicarrier Modulation" (1993), pp. 761-765.	
		KIRKMAN et al., "Detection of Characteristic Phases Using FFTs", ICASSP (IEEE, March 1992).	

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Sheet	3	of	4	Attorney Docket Number	TI-27730A.1B

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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Proakis, <u>Digital Communications</u> , 2d ed. (McGraw-Hill, Inc., 1989), pp. 396-99 and 862-65.	
		Cioffi et al., "DMT Specification Overview for ADSL", Submission T1E1.4/93-083 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (April 15, 1993).	
		Cioffi et al., "Detailed DMT Transmitter Description for ADSL", Submission T1E1.4/93-084 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (April 15, 1993).	
		Chow et al., "Recommended Reverberation Training Sequence-Revision 1", Submission T1E1.4/93-086-R1 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (May 10, 1993).	
		Cioffi et al., "Recommended Training Sequence for SNR Computation with DMT ADSL", Submission T1E1.4/93-087 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (May 10, 1993).	

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		Cioffi et al., "Modification to DMT Synchronization Pattern Insertion", Submission T1E1.4/93-089 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (April 15, 1993).	
		Chow, "Recommended Reveille Sequence for DMT ADSL", Submission T1E1.4/93-114 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (May 10, 1993).	
		Bingham, "Proposed Standard: Sections 6.6-6.10 & 7.6-7.10 Encoders, Modulators, Cyclic Prefices, DACs, and Anti-aliasing Filters", Submission T1E1.4/93-120 to the T1E1.4 Working Group of Committee T1, sponsored by the Alliance for Telecommunications Information Solutions and accredited by the American National Standards Institute (May 10, 1993).	
		"Asymmetric Digital Subscriber Line (ADSL) WORKING DRAFT Standard", Marshall, ed., (T1E1.4 Working Group of Committee T1, November 15, 1993).	

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